

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011625\  
 Data File : VN085470.D  
 Acq On : 16 Jan 2025 15:22  
 Operator : JC\MD  
 Sample : Q1069-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 RW7B-CARBON-20250109

Quant Time: Jan 17 04:34:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 15 02:16:08 2025  
 Response via : Initial Calibration

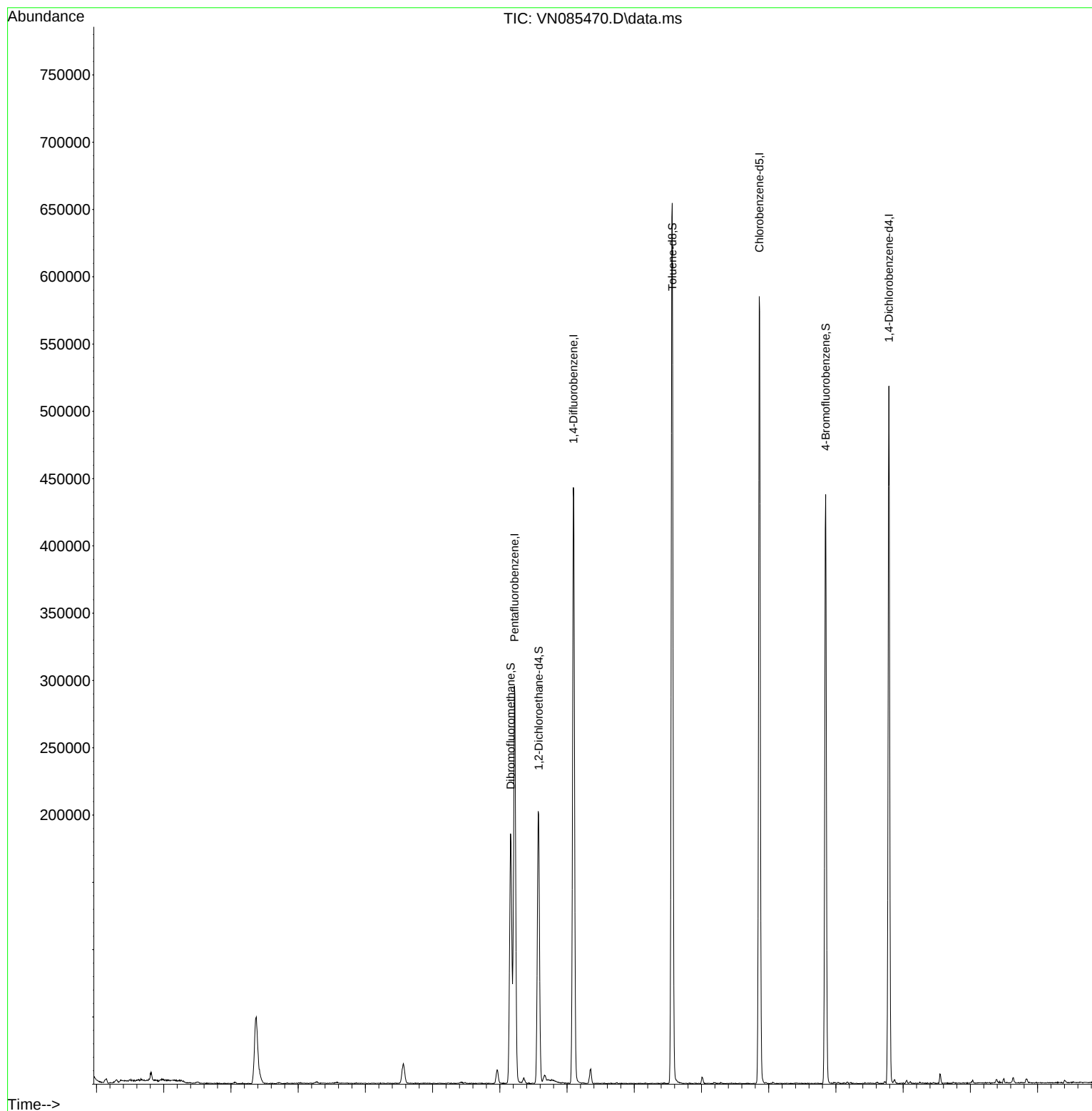
| Compound                     | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                        |                |      |                     |        |       |          |
| Internal Standards           |                |      |                     |        |       |          |
| 1) Pentafluorobenzene        | 8.218          | 168  | 198665              | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.094          | 114  | 358567              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.859         | 117  | 314710              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 128541              | 50.000 | ug/l  | 0.00     |
|                              |                |      |                     |        |       |          |
| System Monitoring Compounds  |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 172160              | 53.685 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 107.360% |        |       |          |
| 35) Dibromofluoromethane     | 8.159          | 113  | 125899              | 50.611 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.220% |        |       |          |
| 50) Toluene-d8               | 10.565         | 98   | 443352              | 50.163 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 100.320% |        |       |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 148587              | 49.146 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 98.300%  |        |       |          |
|                              |                |      |                     |        |       |          |
| Target Compounds             |                |      |                     |        |       |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 35395               | 14.795 | ug/l  | 99       |
| 16) Acetone                  | 4.424          | 43   | 13081               | 12.624 | ug/l  | 98       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 21254               | 4.539  | ug/l  | 99       |
| 30) Chloroform               | 7.965          | 83   | 9847                | 2.035  | ug/l  | 100      |
| 42) 1,2-Dichloroethane       | 8.665          | 62   | 3778                | 0.956  | ug/l  | 81       |
| 44) Trichloroethene          | 9.353          | 130  | 3876                | 1.587  | ug/l  | 91       |
| -----                        |                |      |                     |        |       |          |

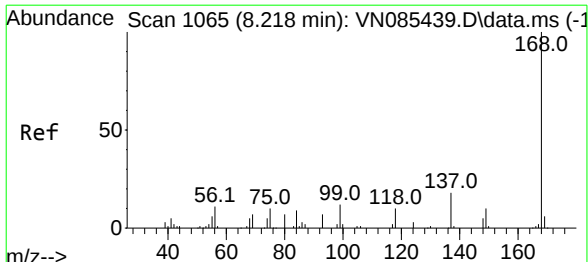
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011625\  
Data File : VN085470.D  
Acq On : 16 Jan 2025 15:22  
Operator : JC\MD  
Sample : Q1069-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
RW7B-CARBON-20250109

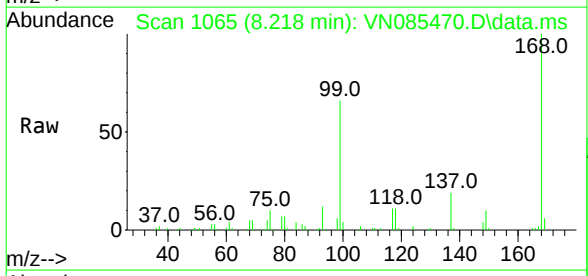
Quant Time: Jan 17 04:34:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011425W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 15 02:16:08 2025  
Response via : Initial Calibration



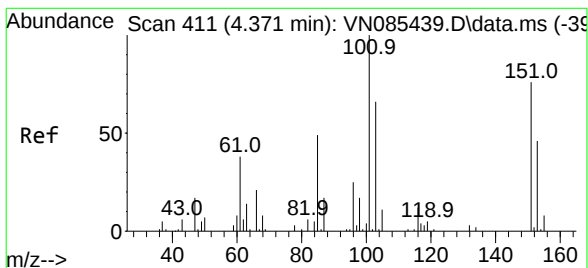
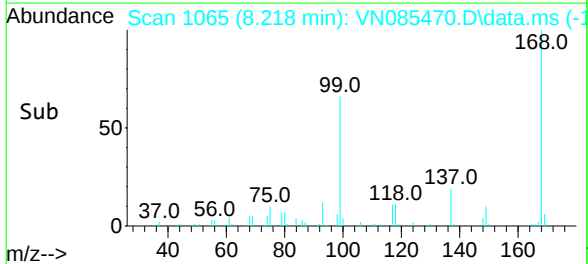
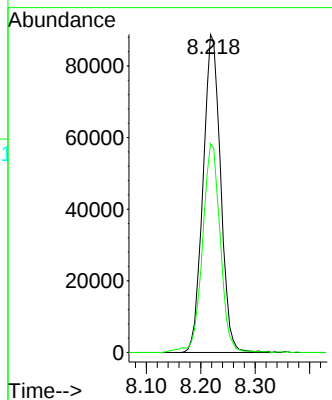


#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.218 min Scan# 1065  
 Delta R.T. -0.000 min  
 Lab File: VN085470.D  
 Acq: 16 Jan 2025 15:22

Instrument : MSVOA\_N  
 ClientSampleId : RW7B-CARBON-20250109

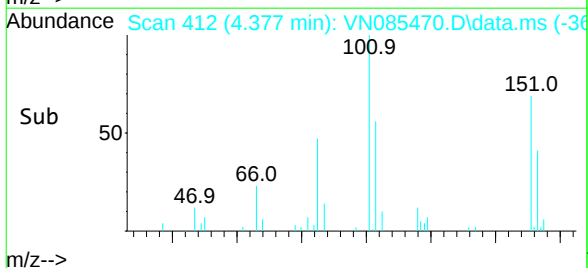
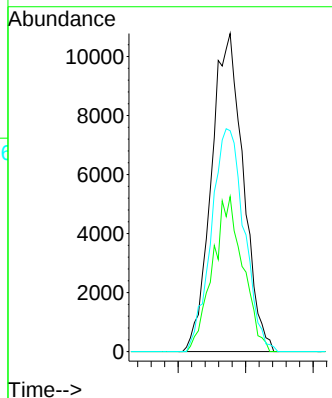
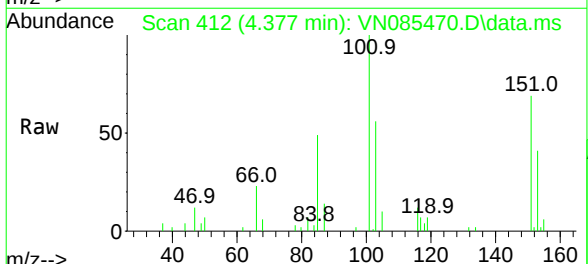


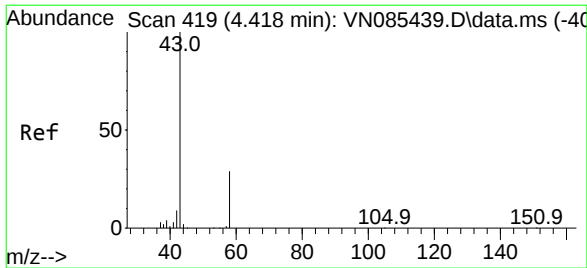
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 198665 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 99        | 65.4  | 53.6  | 80.4   |



#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 14.795 ug/l  
 RT: 4.377 min Scan# 412  
 Delta R.T. 0.006 min  
 Lab File: VN085470.D  
 Acq: 16 Jan 2025 15:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 35395 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.7  | 37.8  | 56.8  |
| 151       | 72.3  | 58.8  | 88.2  |

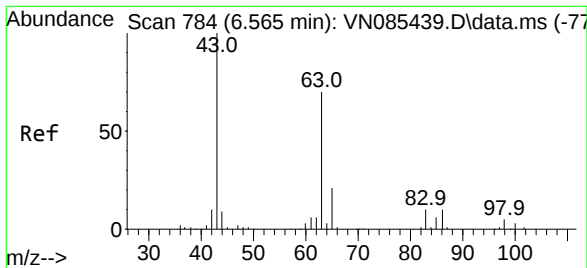
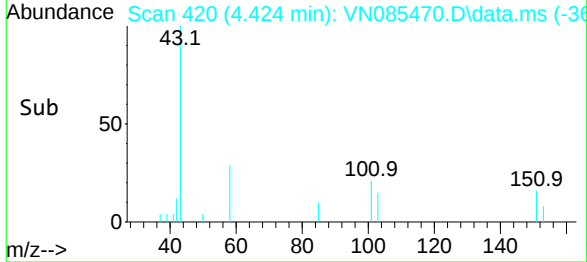
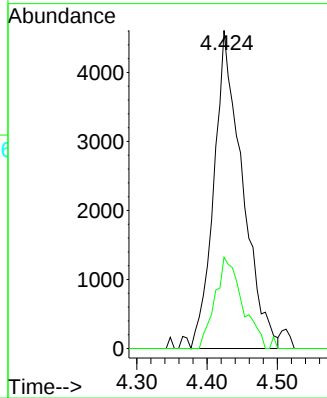
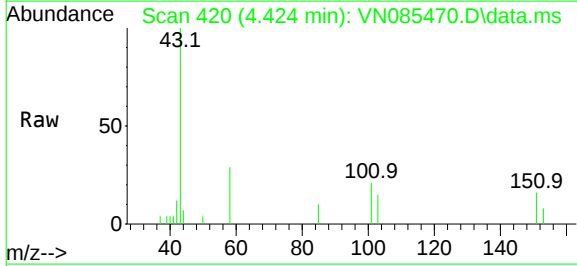




#16  
Acetone  
Concen: 12.624 ug/l  
RT: 4.424 min Scan# 42  
Delta R.T. 0.006 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

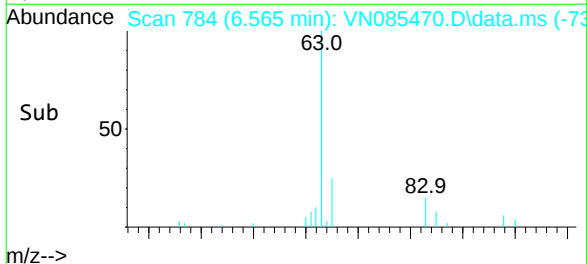
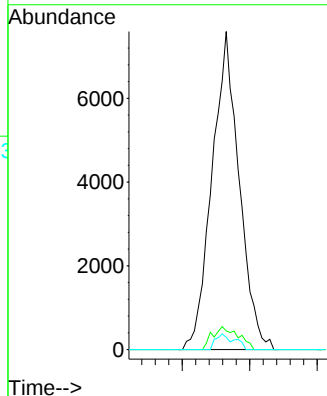
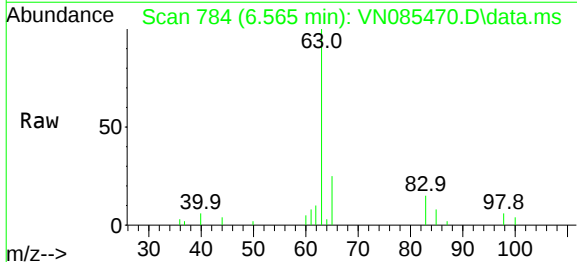
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW7B-CARBON-20250109

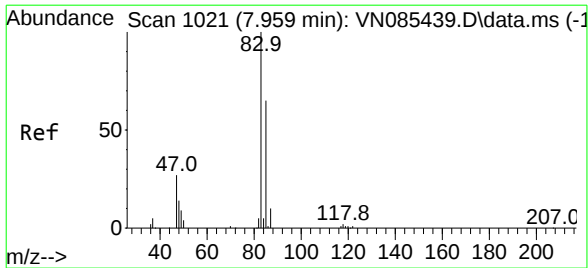
Tgt Ion: 43 Resp: 13081  
Ion Ratio Lower Upper  
43 100  
58 28.7 23.8 35.6



#24  
1,1-Dichloroethane  
Concen: 4.539 ug/l  
RT: 6.565 min Scan# 784  
Delta R.T. 0.000 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

Tgt Ion: 63 Resp: 21254  
Ion Ratio Lower Upper  
63 100  
98 5.9 3.3 9.8  
100 3.8 2.0 6.0

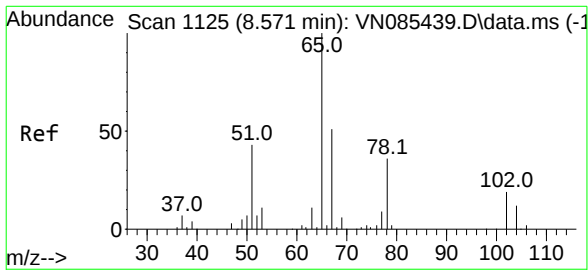
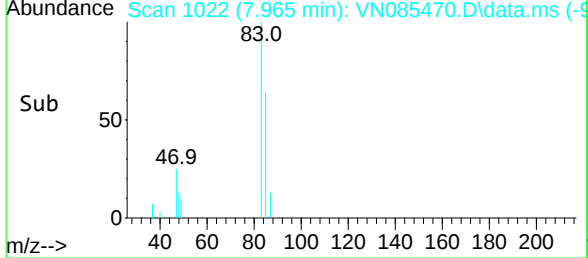
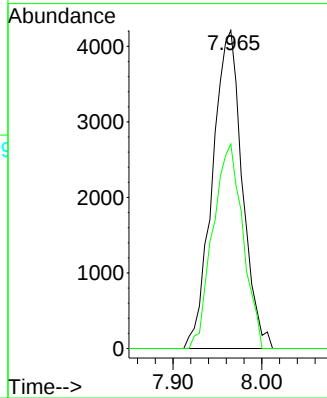
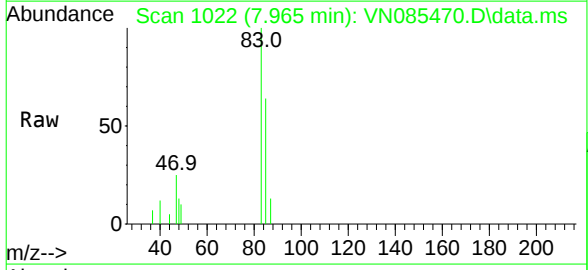




#30  
Chloroform  
Concen: 2.035 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

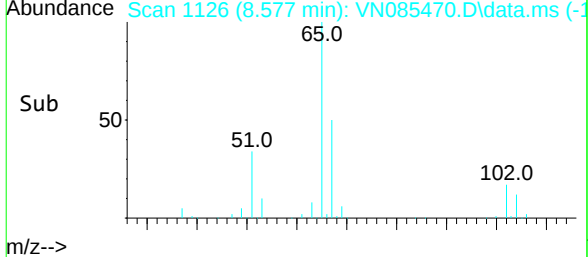
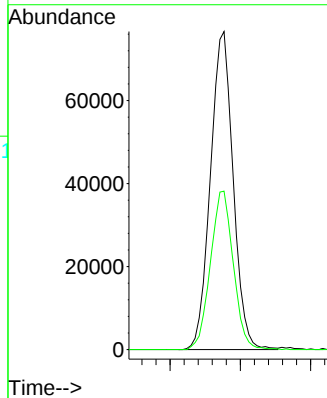
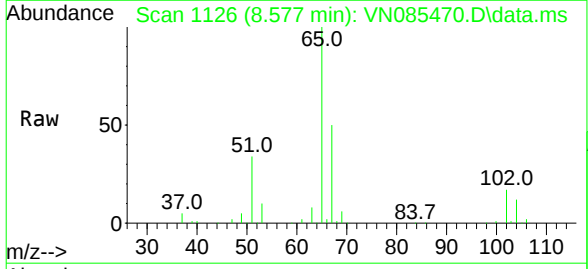
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW7B-CARBON-20250109

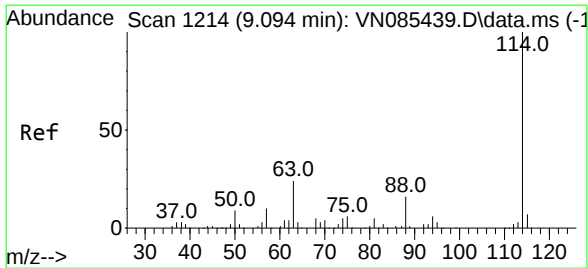
Tgt Ion: 83 Resp: 9847  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.8 77.6



#33  
1,2-Dichloroethane-d4  
Concen: 53.685 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

Tgt Ion: 65 Resp: 172160  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 101.6

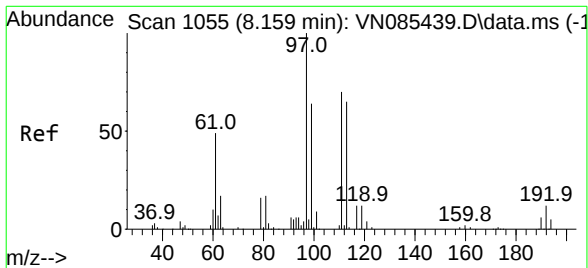
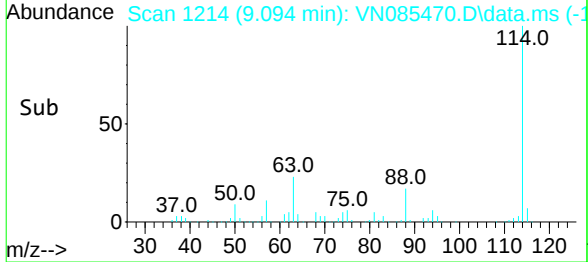
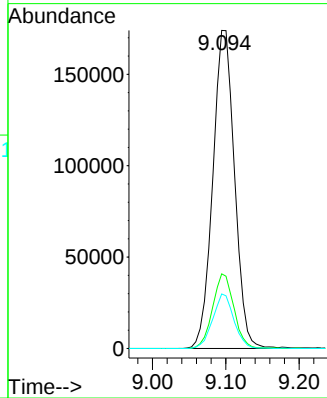
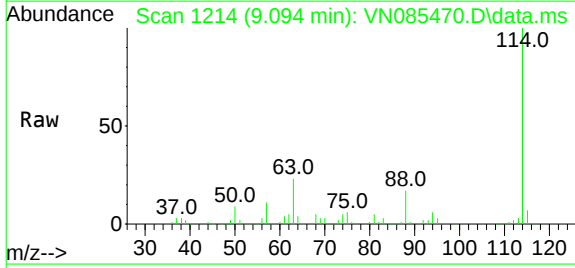




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.094 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

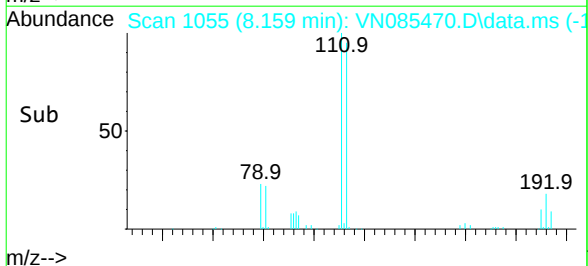
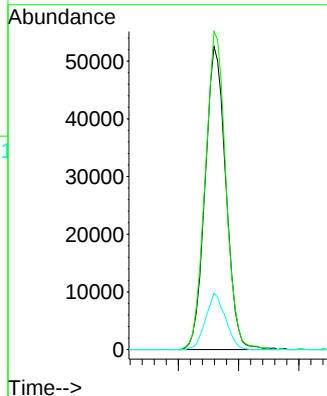
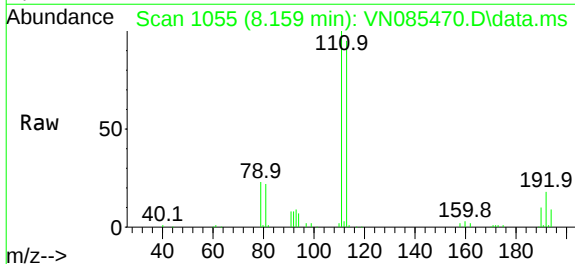
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW7B-CARBON-20250109

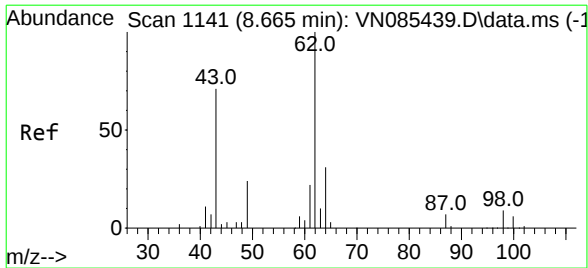
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 358567 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 23.5  | 0.0   | 47.6   |
| 88        | 17.1  | 0.0   | 32.6   |



#35  
Dibromofluoromethane  
Concen: 50.611 ug/l  
RT: 8.159 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 125899 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.3 | 82.7  | 124.1  |
| 192       | 17.7  | 14.3  | 21.5   |

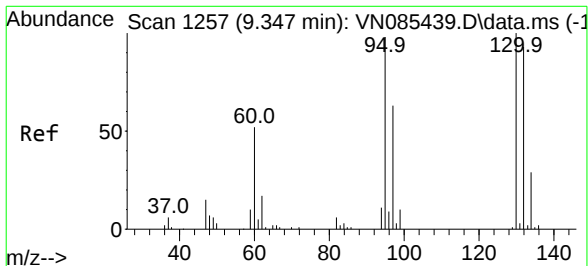
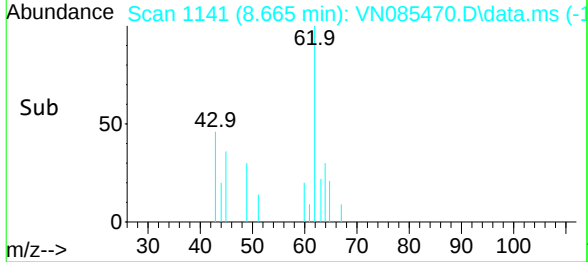
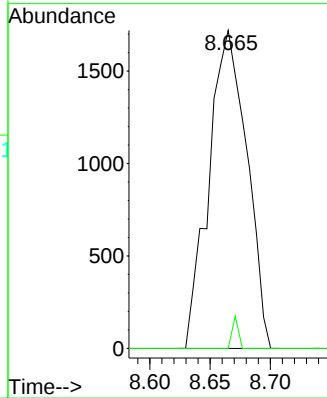
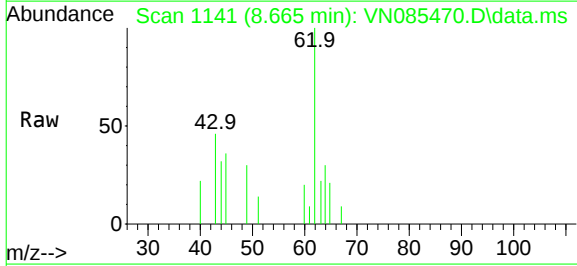




#42  
1,2-Dichloroethane  
Concen: 0.956 ug/l  
RT: 8.665 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

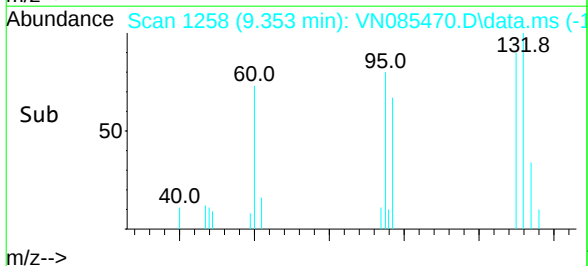
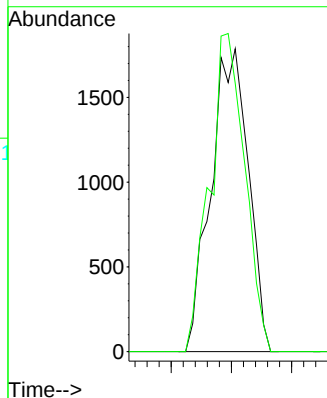
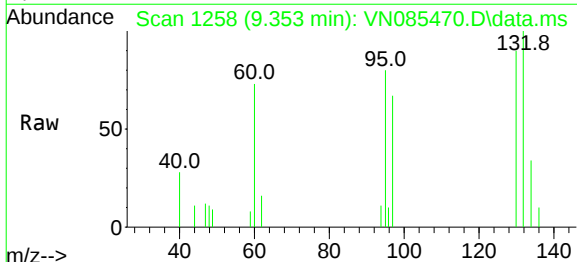
Instrument :  
MSVOA\_N  
ClientSampleId :  
RW7B-CARBON-20250109

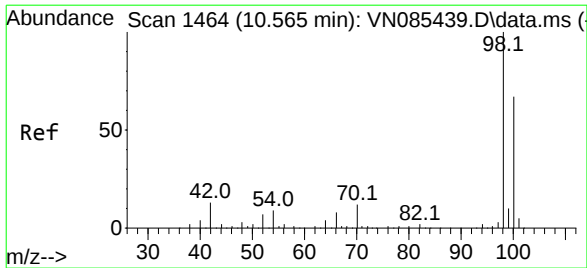
Tgt Ion: 62 Resp: 3778  
Ion Ratio Lower Upper  
62 100  
98 1.6 0.0 17.0



#44  
Trichloroethene  
Concen: 1.587 ug/l  
RT: 9.353 min Scan# 1258  
Delta R.T. 0.006 min  
Lab File: VN085470.D  
Acq: 16 Jan 2025 15:22

Tgt Ion: 130 Resp: 3876  
Ion Ratio Lower Upper  
130 100  
95 88.6 0.0 195.8





#50

Toluene-d8

Concen: 50.163 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085470.D

Acq: 16 Jan 2025 15:22

Instrument :

MSVOA\_N

ClientSampleId :

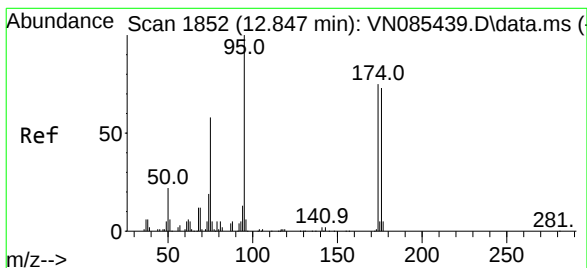
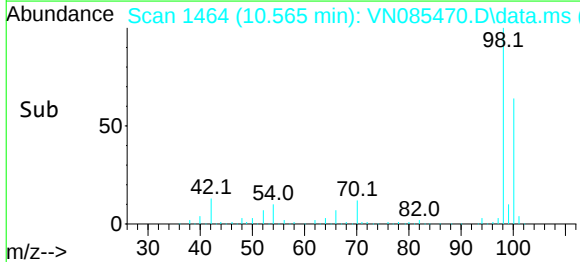
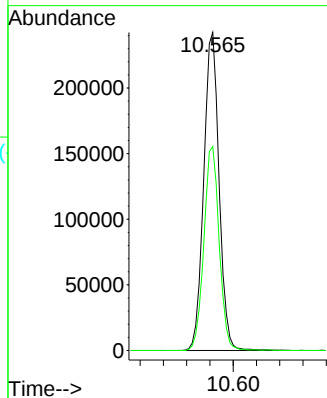
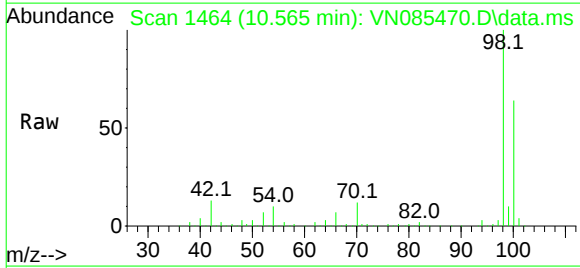
RW7B-CARBON-20250109

Tgt Ion: 98 Resp: 443352

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 49.146 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN085470.D

Acq: 16 Jan 2025 15:22

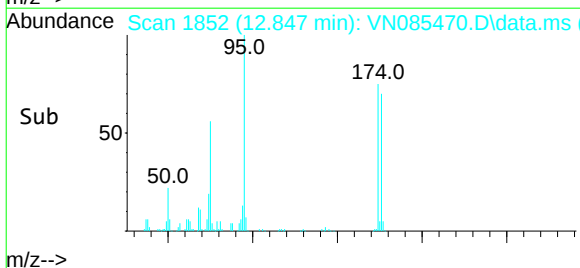
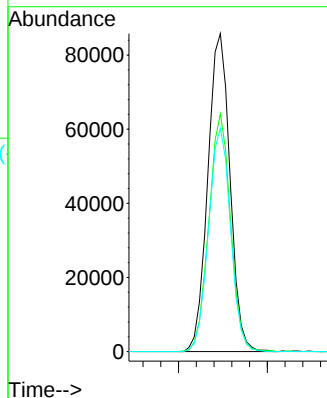
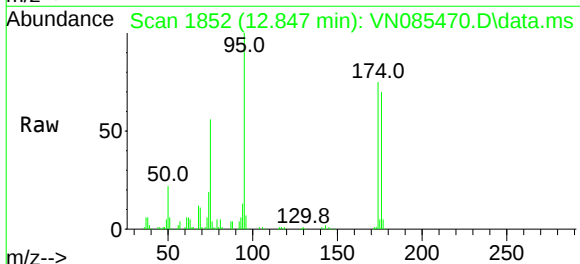
Tgt Ion: 95 Resp: 148587

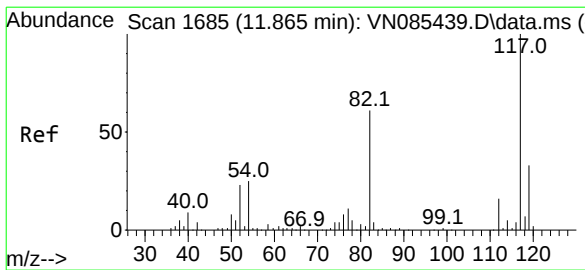
Ion Ratio Lower Upper

95 100

174 73.3 0.0 145.0

176 69.5 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 16

Delta R.T. -0.006 min

Lab File: VN085470.D

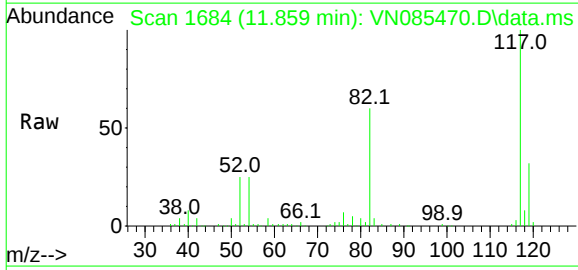
Acq: 16 Jan 2025 15:22

Instrument :

MSVOA\_N

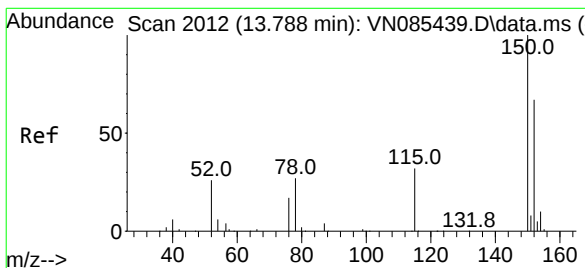
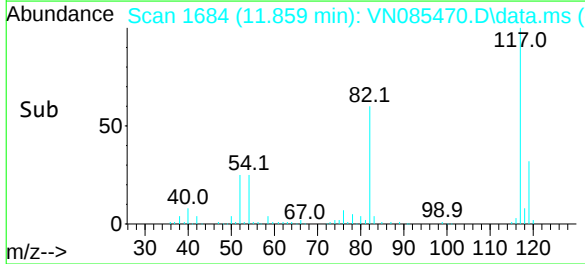
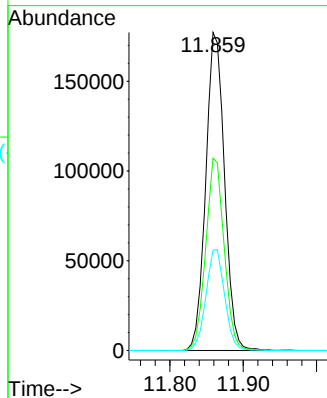
ClientSampleId :

RW7B-CARBON-20250109



Tgt Ion:117 Resp: 314710

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 60.5  | 48.6  | 72.8  |
| 119 | 31.6  | 26.6  | 39.8  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085470.D

Acq: 16 Jan 2025 15:22

Tgt Ion:152 Resp: 128541

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 61.7  | 31.1  | 93.3  |
| 150 | 158.6 | 0.0   | 343.6 |

